SUBJECT INDEX

Accidents

Costs of Construction Injuries, Jimmie Hinze and Lisa Lytle Appelgate, CO Sept. 91, p537-550.

Afghanistan

U.S. Army Corps of Engineers and Afghanistan's Highways 1960–1967, Frank N. Schubert, CO Sept. 91, p445-459.

Analysis

Advantages of Management Contracting—Critical Analysis, Stephen C. Ward, Bernard Curtis and Chris B. Chapman, CO June 91, p195-211.

Archaeology

Construction Contract Provisions for Preservation of Artifacts, Jimmie Hinze and Theresa Antal, CO Mar. 91, p106-117.

Arches

Sandwich-Barrell Shell Construction by Inflation, Robert Nicholls, CO Mar. 91, p131-147.

Artificial intelligence

Knowledge-Based Planning System, Ayman A. Morad and Yvan J. Beliveau, CO Mar. 91, p1-12.

Neural Networks as Tools in Construction, Osama Moselhi, Tarek Hegazy and Paul Fazio, CO Dec. 91, p606-625.

ASCE Awards & Prizes

The Development of the Construction Engineer: Past Progress and Future Problems, John W. Fondahl, CO Sept. 91, p380-392.

Asphalt pavements

Hypertext Data Base Applications in Construction, Trefor P. Williams, CO Sept. 91, p460-467.

Automation

Constructability for Piping Automation: Field Operations, Deborah J. Fisher and James T. O'Connor, CO Sept. 91, p468-485.

Design of Construction Industry Information Management Systems, Osama Y. Abudayyeh and William J. Rasdorf, CO Dec. 91, p698-715.

Engineering Decision Support of Automated Shield Tunneling, Takao Kakoto and Miroslaw Skibniewski, CO Dec. 91, p674-690.

Neural Networks as Tools in Construction, Osama Moselhi, Tarek Hegazy and Paul Fazio, CO Dec. 91, p606-625.

Robot for Interior-Finishing Works, A. Warszawski and R. Navon, CO Sept. 91, p402-422.

Bids

Ft. Drum Estimating and Bidding from Contractor's Point of View, Martin N. Kelley, CO Sept. 91, p565-571.

Risk and Need-for-Work Premiums in Contractor Bidding, Richard de Neufville and Daniel King, CO Dec. 91, p659-673.

Bridge construction

Constructability of Cable-Stayed Bridges, James E. Rowings and Steven L. Kaspar, CO June 91, p259-278.

Value Engineering in Egyptian Bridge Construction, Ismail M. Basha and Ahmed A. Gab-Allah, CO Sept. 91, p393-401.

Bridges, cable-stayed

Constructability of Cable-Stayed Bridges, James E. Rowings and Steven L. Kaspar, CO June 91, p259-278.

Budgets

Management of Engineering/Design Phase, Neil N. Eldin, CO Mar. 91, p163-175.

Buildings

Robot for Interior-Finishing Works, A. Warszawski and R. Navon, CO Sept. 91, p402-422.

Case reports

Construction Scheduling: Principles, Practices, and Six Case Studies, L. J. R. Cole, CO Dec. 91, p579-588.

Forecasting Design-Related Problems—Case Study, John R. Glavan and Richard L. Tucker, CO Mar. 91, p47-65.

Change orders

Legal Aspects of Oral Change Orders, H. Randolph Thomas, Gary R. Smith and Dennis E. Wright, CO Mar. 91, p148-162.

Total Float Traded as Commodity, Jesus M. De La Garza, Michael C. Vorster and Cordell M. Parvin, CO Dec. 91, p716-727.

Civil engineers

The Development of the Construction Engineer: Past Progress and Future Problems, John W. Fondahl, CO Sept. 91, p380-392.

Claims

Total Float Traded as Commodity, Jesus M. De La Garza, Michael C. Vorster and Cordell M. Parvin, CO Dec. 91, p716-727.

Classification

Trenchless Excavation Construction Methods: Classification and Evaluation, Committee on Construction Equipment and Techniques, (Lloyd S. Jones, chmn.), CO Sept. 91, p521-536.

Client relationships

Impact Analysis of Owner-Directed Acceleration, David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157.

Columns

Microlevel Study of Integration in High-Strength Concrete Innovation, C. H. Nam, J. G. Gasiorowski and C. B. Tatum, CO June 91, p294-309.

Communication

Improving Highway Specifications for Constructibility, J. T. O'Connor, F. Hugo and E. M. Stamm, CO June 91, p242-258.

Competitive bidding

Ft. Drum Estimating and Bidding from Contractor's Point of View, Martin N. Kelley, CO Sept. 91, p565-571.

Composite columns

Microlevel Study of Integration in High-Strength Concrete Innovation, C. H. Nam, J. G. Gasiorowski and C. B. Tatum, CO June 91, p294-309.

Computer aided drafting (CAD)

Integration of Engineering, Design, and Construction, Kenneth F. Reinschmidt, F. H. (Bud) Griffis and Patrick L. Bronner, CO Dec. 91, p756-772.

Computer applications

Hypertext Data Base Applications in Construction, Trefor P. Williams, CO Sept. 91, p460-467.

Integration of Engineering, Design, and Construction, Kenneth F. Reinschmidt, F. H. (Bud) Griffis and Patrick L. Bronner, CO Dec. 91, p756-772.

Neural Networks as Tools in Construction, Osama Moselhi, Tarek Hegazy and Paul Fazio, CO Dec. 91, p606-625.

Time-Cost Trade-off Among Related Activities, Rehab Reda and Robert I. Carr, CO Sept. 89, p475-486.

Computer models

Integration of Engineering, Design, and Construction, Kenneth F. Reinschmidt, F. H. (Bud) Griffis and Patrick L. Bronner, CO Dec. 91, p756-772.

Computer software

Project-Controls Systems Opportunities, James E. Rowings, Jr., CO Dec. 91, p691-697.

Time-Constrained Resource Leveling, James E. Seibert and Gerald W. Evans, CO Sept. 91, p503-520.

Visual Interactive Fitting of Beta Distributions, Simaan M. AbouRizk, Daniel W. Halpin and James R. Wilson, CO Dec. 91, p589-605.

Computerized design

Constructability for Piping Automation: Field Operations, Deborah J. Fisher and James T. O'Connor, CO Sept. 91, p468-485.

Integration of Engineering, Design, and Construction, Kenneth F. Reinschmidt, F. H. (Bud) Griffis and Patrick L. Bronner, CO Dec. 91, p756-772.

Knowledge-Based Planning System, Ayman A. Morad and Yvan J. Beliveau, CO Mar. 91, p1-12.

Computerized simulation

Integration of Simulation with Expert Systems, Ali Touran, CO Sept. 90, p480-493.

Concrete piles

Expert System for Diagnosing Damage of Prestressed Concrete Pile, Yi-Cherng Yeh, Deh-Shiu Hsu and Yau-Hwaug Kuo, CO Mar. 91, p13-26.

Constructibility

Constructability and Constructability Programs: White Paper, The Construction Management Committee of the ASCE Construction Division, CO Mar. 91, p67-89.

Constructability for Piping Automation: Field Operations, Deborah J. Fisher and James T. O'Connor, CO Sept. 91, p468-485.

Constructability of Cable-Stayed Bridges, James E. Rowings and Steven L. Kaspar, CO June 91, p259-278.

Factors Affecting Masonry-Labor Productivity, Steve R. Sanders and H. Randolph Thomas, CO Dec. 91, p626-644.

Improving Highway Specifications for Constructibility, J. T. O'Connor, F. Hugo and E. M. Stamm, CO June 91, p242-258.

Construction

Construction Contract Provisions for Preservation of Artifacts, Jimmie Hinze and Theresa Antal, CO Mar. 91, p106-117.

The Development of the Construction Engineer: Past Progress and Future Problems, John W. Fondahl, CO Sept. 91, p380-392.

Dilemmas Facing Construction Education and Research in 1990s, Clarkson H. Oglesby, CO Mar. 90, p4-17.

Forecasting Design-Related Problems—Case Study, John R. Glavan and Richard L. Tucker, CO Mar. 91, p47-65.

Hypertext Data Base Applications in Construction, Trefor P. Williams, CO Sept. 91, p460-467.

Integration of Simulation with Expert Systems, Ali Touran, CO Sept. 90, p480-493.

Labor Productivity and Work Sampling: The Bottom Line, H. Randolph Thomas, CO Sept. 91, p423-444.

Microlevel Study of Integration in High-Strength Concrete Innovation, C. H. Nam, J. G. Gasiorowski and C. B. Tatum, CO June 91, p294-309.

Robot for Interior-Finishing Works, A. Warszawski and R. Navon, CO Sept. 91, p402-422.

Site Analysis Using Controller-Function Charts, Victor E. Sanvido and Boyd C. Paulson, CO June 91, p226-241.

Construction costs

Design of Construction Industry Information Management Systems, Osama Y. Abudayyeh and William J. Rasdorf, CO Dec. 91, p698-715.

Resource Strategies for Dynamic Project Management, Eloy Morua Padilla and Robert I. Carr, CO June 91, p279-293.

Risk and Need-for-Work Premiums in Contractor Bidding, Richard de Neufville and Daniel King, CO Dec. 91, p659-673.

Construction equipment

Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Construction industry

Costs of Construction Injuries, Jimmie Hinze and Lisa Lytle Appelgate, CO Sept. 91, p537-550.

Dilemmas Facing Construction Education and Research in 1990s, Clarkson H. Oglesby, CO Mar. 90, p4-17.

Factors Affecting U.S. Contractors' Performance Overseas, David Arditi and Arturo E. Gutierrez, CO Mar. 91, p27-46.

Implications for U.S. Construction Companies in 1992 European Community, Leland S. Riggs and Jeffery W. Hills, CO Dec. 91, p773-790.

Neural Networks as Tools in Construction, Osama Moselhi, Tarek Hegazy and Paul Fazio, CO Dec. 91, p606-625.

Project-Controls Systems Opportunities, James E. Rowings, Jr., CO Dec. 91, p691-697.

Quality Management in Construction Industry, James L. Burati, Jr., Michael F. Matthews and Satyanarayana N. Kalidindi, CO June 91, p341-359.

Risk and Need-for-Work Premiums in Contractor Bidding, Richard de Neufville and Daniel King, CO Dec. 91, p659-673.

Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Technology-Transfer (T^2) Model for Expert Systems, Jesus M. De La Garza and Panagiotis Mitropoulos, CO Dec. 91, p736-755.

Construction management

Construction Scheduling: Principles, Practices, and Six Case Studies, L. J. R. Cole, CO Dec. 91, p579-588.

Cost- and Schedule-Control Integration: Issues and Needs, William J. Rasdorf and Osama Y. Abudayyeh, CO Sept. 91, p486-502.

Design of Construction Industry Information Management Systems, Osama Y. Abudayyeh and William J. Rasdorf, CO Dec. 91, p698-715.

Factors Affecting Masonry-Labor Productivity, Steve R. Sanders and H. Randolph Thomas, CO Dec. 91, p626-644.

Forecasting Design-Related Problems—Case Study, John R. Glavan and Richard L. Tucker, CO Mar. 91, p47-65.

Safety Programs and The Construction Manager, G. R. Smith and R. D. Roth, CO June 91, p360-371.

Site Analysis Using Controller-Function Charts, Victor E. Sanvido and Boyd C. Paulson, CO June 91, p226-241.

Span of Control of Construction Foreman: Situational Analysis, Alexander Laufer and Igal M. Shohet, CO Mar. 91, p90-105.

Time-Constrained Resource Leveling, James E. Seibert and Gerald W. Evans, CO Sept. 91, p503-520.

Vendor Analysis for Best Buy in Construction, Leonhard E. Bernold and John F. Treseler, CO Dec. 91, p645-658.

Construction materials

Vendor Analysis for Best Buy in Construction, Leonhard E. Bernold and John F. Treseler, CO Dec. 91, p645-658.

Construction methods

Constructability for Piping Automation: Field Operations, Deborah J. Fisher and James T. O'Connor, CO Sept. 91, p468-485.

Sandwich-Barrell Shell Construction by Inflation, Robert Nicholls, CO Mar. 91, p131-147.

Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Site Analysis Using Controller-Function Charts, Victor E. Sanvido and Boyd C. Paulson, CO June 91, p226-241.

Trenchless Excavation Construction Methods: Classification and Evaluation, Committee on Construction Equipment and Techniques, (Lloyd S. Jones, chmn.), CO Sept. 91, p521-536.

U.S. Army Corps of Engineers and Afghanistan's Highways 1960–1967, Frank N. Schubert, CO Sept. 91, p445-459.

Value Engineering in Egyptian Bridge Construction, Ismail M. Basha and Ahmed A. Gab-Allah, CO Sept. 91, p393-401.

Construction planning

Constructability and Constructability Programs: White Paper, The Construction Management Committee of the ASCE Construction Division, CO Mar. 91, p67-89.

Construction Scheduling: Principles, Practices, and Six Case Studies, L. J. R. Cole, CO Dec. 91, p579-588.

Integration of Engineering, Design, and Construction, Kenneth F. Reinschmidt, F. H. (Bud) Griffis and Patrick L. Bronner, CO Dec. 91, p756-772.

Knowledge-Based Planning System, Ayman A. Morad and Yvan J. Beliveau, CO Mar. 91, p1-12.

Sequencing Knowledge for Construction Scheduling, Diego Echeverry, C. William Ibbs and Simon Kim, CO Mar. 91, p118-130.

Time-Cost Trade-off Among Related Activities, Rehab Reda and Robert I. Carr, CO Sept. 89, p475-486.

Visual Interactive Fitting of Beta Distributions, Simaan M. AbouRizk, Daniel W. Halpin and James R. Wilson, CO Dec. 91, p589-605.

Contract administration

Impact Analysis of Owner-Directed Acceleration, David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157.

Legal Aspects of Oral Change Orders, H. Randolph Thomas, Gary R. Smith and Dennis E. Wright, CO Mar. 91, p148-162.

Contract terms

Construction Contract Provisions for Preservation of Artifacts, Jimmie Hinze and Theresa Antal, CO Mar. 91, p106-117.

Contracting

Advantages of Management Contracting—Critical Analysis, Stephen C. Ward, Bernard Curtis and Chris B. Chapman, CO June 91, p195-211.

Ft. Drum Estimating and Bidding from Contractor's Point of View, Martin N. Kelley, CO Sept. 91, p565-571.

Contractors

DBE Programs—New Model, Yvan J. Beliveau, Daniel A. Snyder and Michael C. Vorster, CO Mar. 91, p176-192.

Factors Affecting U.S. Contractors' Performance Overseas, David Arditi and Arturo E. Gutierrez, CO Mar. 91, p27-46.

Ft. Drum Estimating and Bidding from Contractor's Point of View, Martin N. Kelley, CO Sept. 91, p565-571.

Legal Aspects of Oral Change Orders, H. Randolph Thomas, Gary R. Smith and Dennis E. Wright, CO Mar. 91, p148-162.

Risk and Need-for-Work Premiums in Contractor Bidding, Richard de Neufville and Daniel King, CO Dec. 91, p659-673.

Contracts

Constructability of Cable-Stayed Bridges, James E. Rowings and Steven L. Kaspar, CO June 91, p259-278.

The Development of the Construction Engineer: Past Progress and Future Problems, John W. Fondahl, CO Sept. 91, p380-392.

Legal Aspects of Oral Change Orders, H. Randolph Thomas, Gary R. Smith and Dennis E. Wright, CO Mar. 91, p148-162.

Safety Programs and The Construction Manager, G. R. Smith and R. D. Roth, CO June 91, p360-371.

Control

Span of Control of Construction Foreman: Situational Analysis, Alexander Laufer and Igal M. Shohet, CO Mar. 91, p90-105.

Control systems

Cost- and Schedule-Control Integration: Issues and Needs, William J. Rasdorf and Osama Y. Abudayyeh, CO Sept. 91, p486-502.

Project-Controls Systems Opportunities, James E. Rowings, Jr., CO Dec. 91, p691-697.

Cost control

Cost- and Schedule-Control Integration: Issues and Needs, William J. Rasdorf and Osama Y. Abudayyeh, CO Sept. 91, p486-502.

Cost estimates

Life-Cycle Maintenance Costs by Facility Use, Edgar Samuel Neely, Jr. and Robert Neathammer, CO June 91, p310-320.

Costs

Costs of Construction Injuries, Jimmie Hinze and Lisa Lytle Appelgate, CO Sept. 91, p537-550.

Management of Engineering/Design Phase, Neil N. Eldin, CO Mar. 91, p163-175.

Time-Cost Trade-off Among Related Activities, Rehab Reda and Robert I. Carr, CO Sept. 89, p475-486.

Court decisions

Legal Aspects of Oral Change Orders, H. Randolph Thomas, Gary R. Smith and Dennis E. Wright, CO Mar. 91, p148-162.

Safety Programs and The Construction Manager, G. R. Smith and R. D. Roth, CO June 91, p360-371.

Critical path method

Construction Scheduling: Principles, Practices, and Six Case Studies, L. J. R. Cole, CO Dec. 91, p579-588.

Current Float Techniques for Resources Scheduling, Venayagampillai Shanmuganayagam, CO Sept. 89, p401-411.

Time-Cost Trade-off Among Related Activities, Rehab Reda and Robert I. Carr, CO Sept. 89, p475-486.

Total Float Traded as Commodity, Jesus M. De La Garza, Michael C. Vorster and Cordell M. Parvin, CO Dec. 91, p716-727.

Cycles

Modeling Uncertainty in Operations with Nonstationary Cycle Times, Ali Touran, CO Dec. 91, p728-735.

Damage assessment

Expert System for Diagnosing Damage of Prestressed Concrete Pile, Yi-Cherng Yeh, Deh-Shiu Hsu and Yau-Hwaug Kuo, CO Mar. 91, p13-26.

Data systems

Cost- and Schedule-Control Integration: Issues and Needs, William J. Rasdorf and Osama Y. Abudayyeh, CO Sept. 91, p486-502.

Design of Construction Industry Information Management Systems, Osama Y. Abudayyeh and William J. Rasdorf, CO Dec. 91, p698-715.

Database management systems

Hypertext Data Base Applications in Construction, Trefor P. Williams, CO Sept. 91, p460-467.

Management of Engineering/Design Phase, Neil N. Eldin, CO Mar. 91, p163-175.

Databases

Life-Cycle Maintenance Costs by Facility Use, Edgar Samuel Neely, Jr. and Robert Neathammer, CO June 91, p310-320.

Decision making

Engineering Decision Support of Automated Shield Tunneling, Takao Kakoto and Miroslaw Skibniewski, CO Dec. 91, p674-690.

Neural Networks as Tools in Construction, Osama Moselhi, Tarek Hegazy and Paul Fazio, CO Dec. 91, p606-625.

Delay time

Impact Analysis of Owner-Directed Acceleration, David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157.

Design
Forecasting Design-Related Problems—Case Study, John R. Glavan and Richard L. Tucker, CO Mar. 91, p47-65.
Management of Engineering/Design Phase, Neil N. Eldin, CO Mar. 91, p163-175.

Development
Robot for Interior-Finishing Works, A. Warszawski and R. Navon, CO Sept. 91, p402-422.

Discrete elements
Optimal Allocation of Project Management Resources for Achieving Success, Edward J. Jaselskis and David B. Ashley, CO June 91, p321-340.

Economic conditions
Implications for U.S. Construction Companies in 1992 European Community, Leland S. Riggs and Jeffery W. Hills, CO Dec. 91, p773-790.

Economics
Implications for U.S. Construction Companies in 1992 European Community, Leland S. Riggs and Jeffery W. Hills, CO Dec. 91, p773-790.

Egypt
Value Engineering in Egyptian Bridge Construction, Ismail M. Basha and Ahmed A. Gab-Allah, CO Sept. 91, p393-401.

Employees
Costs of Construction Injuries, Jimmie Hinze and Lisa Lytle Appelgate, CO Sept. 91, p537-550.

Employment opportunities
Dilemmas Facing Construction Education and Research in 1990s, Clarkson H. Oglesby, CO Mar. 90, p4-17.

Engineering education
The Development of the Construction Engineer: Past Progress and Future Problems, John W. Fondahl, CO Sept. 91, p380-392.
Dilemmas Facing Construction Education and Research in 1990s, Clarkson H. Oglesby, CO Mar. 90, p4-17.

Engineering firms
Technology-Transfer (T^2) Model for Expert Systems, Jesus M. De La Garza and Panagiotis Mitropoulos, CO Dec. 91, p736-755.

Engineering services
Management of Engineering/Design Phase, Neil N. Eldin, CO Mar. 91, p163-175.

Estimating
Time-Cost Trade-off Among Related Activities, Rehab Reda and Robert I. Carr, CO Sept. 89, p475-486.

Europe
Implications for U.S. Construction Companies in 1992 European Community, Leland S. Riggs and Jeffery W. Hills, CO Dec. 91, p773-790.

Evaluation
Trenchless Excavation Construction Methods: Classification and Evaluation, Committee on Construction Equipment and Techniques, (Lloyd S. Jones, chmn.), CO Sept. 91, p521-536.
Value Engineering in Egyptian Bridge Construction, Ismail M. Basha and Ahmed A. Gab-Allah, CO Sept. 91, p393-401.

Excavation
Trenchless Excavation Construction Methods: Classification and Evaluation, Committee on Construction Equipment and Techniques, (Lloyd S. Jones, chmn.), CO Sept. 91, p521-536.

Expert systems
Engineering Decision Support of Automated Shield Tunneling, Takao Kakoto and Miroslaw Skibniewski, CO Dec. 91, p674-690.
Expert System for Diagnosing Damage of Prestressed Concrete Pile, Yi-Cherng Yeh, Deh-Shiu Hsu and Yau-Hwaug Kuo, CO Mar. 91, p13-26.
Integration of Simulation with Expert Systems, Ali Touran, CO Sept. 90, p480-493.
Neural Networks as Tools in Construction, Osama Moselhi, Tarek Hegazy and Paul Fazio, CO Dec. 91, p606-625.
Technology-Transfer (T^2) Model for Expert Systems, Jesus M. De La Garza and Panagiotis Mitropoulos, CO Dec. 91, p736-755.

Facilities
Life-Cycle Maintenance Costs by Facility Use, Edgar Samuel Neely, Jr. and Robert Neathammer, CO June 91, p310-320.

Fast track construction
Forecasting Design-Related Problems—Case Study, John R. Glavan and Richard L. Tucker, CO Mar. 91, p47-65.

Federal aid
DBE Programs—New Model, Yvan J. Beliveau, Daniel A. Snyder and Michael C. Vorster, CO Mar. 91, p176-192.

Fiber reinforced materials
Sandwich-Barrell Shell Construction by Inflation, Robert Nicholls, CO Mar. 91, p131-147.

Field tests
Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Forecasting
Forecasting Design-Related Problems—Case Study, John R. Glavan and Richard L. Tucker, CO Mar. 91, p47-65.

Foreign projects
Factors Affecting U.S. Contractors' Performance Overseas, David Arditi and Arturo E. Gutierrez, CO Mar. 91, p27-46.
U.S. Army Corps of Engineers and Afghanistan's Highways 1960–1967, Frank N. Schubert, CO Sept. 91, p445-459.

Functional analysis
Site Analysis Using Controller-Function Charts, Victor E. Sanvido and Boyd C. Paulson, CO June 91, p226-241.

Fuzzy sets
Expert System for Diagnosing Damage of Prestressed Concrete Pile, Yi-Cherng Yeh, Deh-Shiu Hsu and Yau-Hwaug Kuo, CO Mar. 91, p13-26.

Heuristics
Current Float Techniques for Resources Scheduling, Venayagampillai Shanmuganayagam, CO Sept. 89, p401-411.

High strength concretes
Microlevel Study of Integration in High-Strength Concrete Innovation, C. H. Nam, J. G. Gasiorowski and C. B. Tatum, CO June 91, p294-309.

High technology
Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Highway construction
DBE Programs—New Model, Yvan J. Beliveau, Daniel A. Snyder and Michael C. Vorster, CO Mar. 91, p176-192.

U.S. Army Corps of Engineers and Afghanistan's Highways 1960–1967, Frank N. Schubert, CO Sept. 91, p445-459.

Highways
Improving Highway Specifications for Constructibility, J. T. O'Connor, F. Hugo and E. M. Stamm, CO June 91, p242-258.

History
Construction Contract Provisions for Preservation of Artifacts, Jimmie Hinze and Theresa Antal, CO Mar. 91, p106-117.

Information management
Cost- and Schedule-Control Integration: Issues and Needs, William J. Rasdorf and Osama Y. Abudayyeh, CO Sept. 91, p486-502.

Design of Construction Industry Information Management Systems, Osama Y. Abudayyeh and William J. Rasdorf, CO Dec. 91, p698-715.

Improving Highway Specifications for Constructibility, J. T. O'Connor, F. Hugo and E. M. Stamm, CO June 91, p242-258.

Injuries
Costs of Construction Injuries, Jimmie Hinze and Lisa Lytle Appelgate, CO Sept. 91, p537-550.

Innovation
Microlevel Study of Integration in High-Strength Concrete Innovation, C. H. Nam, J. G. Gasiorowski and C. B. Tatum, CO June 91, p294-309.

Technology-Transfer (T^2) Model for Expert Systems, Jesus M. De La Garza and Panagiotis Mitropoulos, CO Dec. 91, p736-755.

Interactive graphics
Hypertext Data Base Applications in Construction, Trefor P. Williams, CO Sept. 91, p460-467.

Interactive systems
Cost- and Schedule-Control Integration: Issues and Needs, William J. Rasdorf and Osama Y. Abudayyeh, CO Sept. 91, p486-502.

Integration of Simulation with Expert Systems, Ali Touran, CO Sept. 90, p480-493.

Knowledge-Based Planning System, Ayman A. Morad and Yvan J. Beliveau, CO Mar. 91, p1-12.

International factors
Factors Affecting U.S. Contractors' Performance Overseas, David Arditi and Arturo E. Gutierrez, CO Mar. 91, p27-46.

U.S. Army Corps of Engineers and Afghanistan's Highways 1960–1967, Frank N. Schubert, CO Sept. 91, p445-459.

Knowledge-based systems
Knowledge-Based Planning System, Ayman A. Morad and Yvan J. Beliveau, CO Mar. 91, p1-12.

Sequencing Knowledge for Construction Scheduling, Diego Echeverry, C. William Ibbs and Simon Kim, CO Mar. 91, p118-130.

Labor relations
Span of Control of Construction Foreman: Situational Analysis, Alexander Laufer and Igal M. Shohet, CO Mar. 91, p90-105.

Laboratory tests
Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Legal factors
Legal Aspects of Oral Change Orders, H. Randolph Thomas, Gary R. Smith and Dennis E. Wright, CO Mar. 91, p148-162.

Liability
Safety Programs and The Construction Manager, G. R. Smith and R. D. Roth, CO June 91, p360-371.

Life cycles
Life-Cycle Maintenance Costs by Facility Use, Edgar Samuel Neely, Jr. and Robert Neathammer, CO June 91, p310-320.

Litigation
The Development of the Construction Engineer: Past Progress and Future Problems, John W. Fondahl, CO Sept. 91, p380-392.

Total Float Traded as Commodity, Jesus M. De La Garza, Michael C. Vorster and Cordell M. Parvin, CO Dec. 91, p716-727.

Maintenance costs
Life-Cycle Maintenance Costs by Facility Use, Edgar Samuel Neely, Jr. and Robert Neathammer, CO June 91, p310-320.

Management
Advantages of Management Contracting—Critical Analysis, Stephen C. Ward, Bernard Curtis and Chris B. Chapman, CO June 91, p195-211.
Constructability of Cable-Stayed Bridges, James E. Rowings and Steven L. Kaspar, CO June 91, p259-278.
Labor Productivity and Work Sampling: The Bottom Line, H. Randolph Thomas, CO Sept. 91, p423-444.
Vendor Analysis for Best Buy in Construction, Leonhard E. Bernold and John F. Treseler, CO Dec. 91, p645-658.

Management methods
Quality Management in Construction Industry, James L. Burati, Jr., Michael F. Matthews and Satyanarayana N. Kalidindi, CO June 91, p341-359.

Managers
Safety Programs and The Construction Manager, G. R. Smith and R. D. Roth, CO June 91, p360-371.

Marine transportation
Transportation of Shippingport Reactor Pressure Vessel, David Duerr, CO Sept. 91, p551-564.

Masonry
Factors Affecting Masonry-Labor Productivity, Steve R. Sanders and H. Randolph Thomas, CO Dec. 91, p626-644.

Microcomputers
Visual Interactive Fitting of Beta Distributions, Simaan M. AbouRizk, Daniel W. Halpin and James R. Wilson, CO Dec. 91, p589-605.

Minority groups
DBE Programs—New Model, Yvan J. Beliveau, Daniel A. Snyder and Michael C. Vorster, CO Mar. 91, p176-192.

Modeling
Current Float Techniques for Resources Scheduling, Venayagampillai Shanmuganayagam, CO Sept. 89, p401-411.
Design of Construction Industry Information Management Systems, Osama Y. Abudayyeh and William J. Rasdorf, CO Dec. 91, p698-715.
Optimal Allocation of Project Management Resources for Achieving Success, Edward J. Jaselskis and David B. Ashley, CO June 91, p321-340.

Models
Forecasting Design-Related Problems—Case Study, John R. Glavan and Richard L. Tucker, CO Mar. 91, p47-65.
Risk and Need-for-Work Premiums in Contractor Bidding, Richard de Neufville and Daniel King, CO Dec. 91, p659-673.

Monitoring
Construction Scheduling: Principles, Practices, and Six Case Studies, L. J. R. Cole, CO Dec. 91, p579-588.

Mortars
Sandwich-Barrell Shell Construction by Inflation, Robert Nicholls, CO Mar. 91, p131-147.

Multiple use
Robot for Interior-Finishing Works, A. Warszawski and R. Navon, CO Sept. 91, p402-422.

Nails
Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Network analysis
Impact Analysis of Owner-Directed Acceleration, David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157.

Nuclear power plant decommissioning
Transportation of Shippingport Reactor Pressure Vessel, David Duerr, CO Sept. 91, p551-564.

Nuclear wastes disposal
Transportation of Shippingport Reactor Pressure Vessel, David Duerr, CO Sept. 91, p551-564.

Numerical calculations
Visual Interactive Fitting of Beta Distributions, Simaan M. AbouRizk, Daniel W. Halpin and James R. Wilson, CO Dec. 91, p589-605.

Organization theory
Site Analysis Using Controller-Function Charts, Victor E. Sanvido and Boyd C. Paulson, CO June 91, p226-241.

Owners
Legal Aspects of Oral Change Orders, H. Randolph Thomas, Gary R. Smith and Dennis E. Wright, CO Mar. 91, p148-162.
Safety Programs and The Construction Manager, G. R. Smith and R. D. Roth, CO June 91, p360-371.

Performance
Factors Affecting U.S. Contractors' Performance Overseas, David Arditi and Arturo E. Gutierrez, CO Mar. 91, p27-46.
Optimal Allocation of Project Management Resources for Achieving Success, Edward J. Jaselskis and David B. Ashley, CO June 91, p321-340.
Span of Control of Construction Foreman: Situational Analysis, Alexander Laufer and Igal M. Shohet, CO Mar. 91, p90-105.

Personnel
Span of Control of Construction Foreman: Situational Analysis, Alexander Laufer and Igal M. Shohet, CO Mar. 91, p90-105.

Pile driving
Expert System for Diagnosing Damage of Prestressed Concrete Pile, Yi-Cherng Yeh, Deh-Shiu Hsu and Yau-Hwaug Kuo, CO Mar. 91, p13-26.

Pipes
Constructability for Piping Automation: Field Operations, Deborah J. Fisher and James T. O'Connor, CO Sept. 91, p468-485.

Planning
Construction Scheduling: Principles, Practices, and Six Case Studies, L. J. R. Cole, CO Dec. 91, p579-588.

Polymers
Sandwich-Barrell Shell Construction by Inflation, Robert Nicholls, CO Mar. 91, p131-147.

Polystyrene
Sandwich-Barrell Shell Construction by Inflation, Robert Nicholls, CO Mar. 91, p131-147.

Preservation
Construction Contract Provisions for Preservation of Artifacts, Jimmie Hinze and Theresa Antal, CO Mar. 91, p106-117.

Probabilistic models
Modeling Uncertainty in Operations with Non-stationary Cycle Times, Ali Touran, CO Dec. 91, p728-735.

Resource Strategies for Dynamic Project Management, Eloy Morua Padilla and Robert I. Carr, CO June 91, p279-293.

Visual Interactive Fitting of Beta Distributions, Simaan M. AbouRizk, Daniel W. Halpin and James R. Wilson, CO Dec. 91, p589-605.

Productivity
Constructability for Piping Automation: Field Operations, Deborah J. Fisher and James T. O'Connor, CO Sept. 91, p468-485.

Costs of Construction Injuries, Jimmie Hinze and Lisa Lytle Appelgate, CO Sept. 91, p537-550.

Factors Affecting Masonry-Labor Productivity, Steve R. Sanders and H. Randolph Thomas, CO Dec. 91, p626-644.

Integration of Engineering, Design, and Construction, Kenneth F. Reinschmidt, F. H. (Bud) Griffis and Patrick L. Bronner, CO Dec. 91, p756-772.

Labor Productivity and Work Sampling: The Bottom Line, H. Randolph Thomas, CO Sept. 91, p423-444.

Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Professional practice
The Development of the Construction Engineer: Past Progress and Future Problems, John W. Fondahl, CO Sept. 91, p380-392.

Profiles
Time-Constrained Resource Leveling, James E. Seibert and Gerald W. Evans, CO Sept. 91, p503-520.

Program evaluation
DBE Programs—New Model, Yvan J. Beliveau, Daniel A. Snyder and Michael C. Vorster, CO Mar. 91, p176-192.

Project control
Management of Engineering/Design Phase, Neil N. Eldin, CO Mar. 91, p163-175.

Project-Controls Systems Opportunities, James E. Rowings, Jr., CO Dec. 91, p691-697.

Project evaluation
Optimal Allocation of Project Management Resources for Achieving Success, Edward J. Jaselskis and David B. Ashley, CO June 91, p321-340.

Project management
Advantages of Management Contracting—Critical Analysis, Stephen C. Ward, Bernard Curtis and Chris B. Chapman, CO June 91, p195-211.

Design of Construction Industry Information Management Systems, Osama Y. Abudayyeh and William J. Rasdorf, CO Dec. 91, p698-715.

Impact Analysis of Owner-Directed Acceleration, David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157.

Improving Highway Specifications for Constructibility, J. T. O'Connor, F. Hugo and E. M. Stamm, CO June 91, p242-258.

Management of Engineering/Design Phase, Neil N. Eldin, CO Mar. 91, p163-175.

Optimal Allocation of Project Management Resources for Achieving Success, Edward J. Jaselskis and David B. Ashley, CO June 91, p321-340.

Resource Strategies for Dynamic Project Management, Eloy Morua Padilla and Robert I. Carr, CO June 91, p279-293.

Risk and Need-for-Work Premiums in Contractor Bidding, Richard de Neufville and Daniel King, CO Dec. 91, p659-673.

Site Analysis Using Controller-Function Charts, Victor E. Sanvido and Boyd C. Paulson, CO June 91, p226-241.

Time-Constrained Resource Leveling, James E. Seibert and Gerald W. Evans, CO Sept. 91, p503-520.

Visual Interactive Fitting of Beta Distributions, Simaan M. AbouRizk, Daniel W. Halpin and James R. Wilson, CO Dec. 91, p589-605.

Project planning
Constructability and Constructability Programs: White Paper, The Construction Management Committee of the ASCE Construction Division, CO Mar. 91, p67-89.

Forecasting Design-Related Problems—Case Study, John R. Glavan and Richard L. Tucker, CO Mar. 91, p47-65.

Impact Analysis of Owner-Directed Acceleration, David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157.

Projects
Impact Analysis of Owner-Directed Acceleration, David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157.

Purchasing
Vendor Analysis for Best Buy in Construction, Leonhard E. Bernold and John F. Treseler, CO Dec. 91, p645-658.

Quality assurance
Constructability and Constructability Programs: White Paper, The Construction Management Committee of the ASCE Construction Division, CO Mar. 91, p67-89.

Quality Management in Construction Industry, James L. Burati, Jr., Michael F. Matthews and Satyanarayana N. Kalidindi, CO June 91, p341-359.

Quality control

Quality Management in Construction Industry, James L. Burati, Jr., Michael F. Matthews and Satyanarayana N. Kalidindi, CO June 91, p341-359.

Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Vendor Analysis for Best Buy in Construction, Leonhard E. Bernold and John F. Treseler, CO Dec. 91, p645-658.

Random processes

Modeling Uncertainty in Operations with Non-stationary Cycle Times, Ali Touran, CO Dec. 91, p728-735.

Research

Dilemmas Facing Construction Education and Research in 1990s, Clarkson H. Oglesby, CO Mar. 90, p4-17.

Quality Management in Construction Industry, James L. Burati, Jr., Michael F. Matthews and Satyanarayana N. Kalidindi, CO June 91, p341-359.

Research and development

Project-Controls Systems Opportunities, James E. Rowings, Jr., CO Dec. 91, p691-697.

Resource allocation

Current Float Techniques for Resources Scheduling, Venayagampillai Shanmuganayagam, CO Sept. 89, p401-411.

Optimal Allocation of Project Management Resources for Achieving Success, Edward J. Jaselskis and David B. Ashley, CO June 91, p321-340.

Resource Strategies for Dynamic Project Management, Eloy Morua Padilla and Robert I. Carr, CO June 91, p279-293.

Resource management

Current Float Techniques for Resources Scheduling, Venayagampillai Shanmuganayagam, CO Sept. 89, p401-411.

Time-Constrained Resource Leveling, James E. Seibert and Gerald W. Evans, CO Sept. 91, p503-520.

Resources

Time-Constrained Resource Leveling, James E. Seibert and Gerald W. Evans, CO Sept. 91, p503-520.

Risk

Risk and Need-for-Work Premiums in Contractor Bidding, Richard de Neufville and Daniel King, CO Dec. 91, p659-673.

Robotics

Robot for Interior-Finishing Works, A. Warszawski and R. Navon, CO Sept. 91, p402-422.

Safety

Costs of Construction Injuries, Jimmie Hinze and Lisa Lytle Appelgate, CO Sept. 91, p537-550.

Safety Programs and The Construction Manager, G. R. Smith and R. D. Roth, CO June 91, p360-371.

Sandwich structures

Sandwich-Barrell Shell Construction by Inflation, Robert Nicholls, CO Mar. 91, p131-147.

Scheduling

Construction Scheduling: Principles, Practices, and Six Case Studies, L. J. R. Cole, CO Dec. 91, p579-588.

Cost- and Schedule-Control Integration: Issues and Needs, William J. Rasdorf and Osama Y. Abudayyeh, CO Sept. 91, p486-502.

Design of Construction Industry Information Management Systems, Osama Y. Abudayyeh and William J. Rasdorf, CO Dec. 91, p698-715.

Impact Analysis of Owner-Directed Acceleration, David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157.

Management of Engineering/Design Phase, Neil N. Eldin, CO Mar. 91, p163-175.

Resource Strategies for Dynamic Project Management, Eloy Morua Padilla and Robert I. Carr, CO June 91, p279-293.

Sequencing Knowledge for Construction Scheduling, Diego Echeverry, C. William Ibbs and Simon Kim, CO Mar. 91, p118-130.

Time-Constrained Resource Leveling, James E. Seibert and Gerald W. Evans, CO Sept. 91, p503-520.

Time-Cost Trade-off Among Related Activities, Rehab Reda and Robert I. Carr, CO Sept. 89, p475-486.

Total Float Traded as Commodity, Jesus M. De La Garza, Michael C. Vorster and Cordell M. Parvin, CO Dec. 91, p716-727.

Sensors

Sensor-Integrated Nailing for Building Construction, Mark L. Miller and Leonhard E. Bernold, CO June 91, p213-225.

Shields, tunneling

Engineering Decision Support of Automated Shield Tunneling, Takao Kakoto and Miroslaw Skibniewski, CO Dec. 91, p674-690.

Simulation

Integration of Simulation with Expert Systems, Ali Touran, CO Sept. 90, p480-493.

Resource Strategies for Dynamic Project Management, Eloy Morua Padilla and Robert I. Carr, CO June 91, p279-293.

Simulation models

Visual Interactive Fitting of Beta Distributions, Simaan M. AbouRizk, Daniel W. Halpin and James R. Wilson, CO Dec. 91, p589-605.

Site evaluation

Site Analysis Using Controller-Function Charts, Victor E. Sanvido and Boyd C. Paulson, CO June 91, p226-241.

Value Engineering in Egyptian Bridge Construction, Ismail M. Basha and Ahmed A. Gab-Allah, CO Sept. 91, p393-401.

Social values

Construction Contract Provisions for Preservation of Artifacts, Jimmie Hinze and Theresa Antal, CO Mar. 91, p106-117.

Specifications

Improving Highway Specifications for Constructibility, J. T. O'Connor, F. Hugo and E. M. Stamm, CO June 91, p242-258.

Spreadsheets

Time-Constrained Resource Leveling, James E. Seibert and Gerald W. Evans, CO Sept. 91, p503-520.

Stationary processes

Modeling Uncertainty in Operations with Non-stationary Cycle Times, Ali Touran, CO Dec. 91, p728-735.

Supervision

Span of Control of Construction Foreman: Situational Analysis, Alexander Laufer and Igal M. Shohet, CO Mar. 91, p90-105.

Surveys, data collection

Quality Management in Construction Industry, James L. Burati, Jr., Michael F. Matthews and Satyanarayana N. Kalidindi, CO June 91, p341-359.

Technology

Microlevel Study of Integration in High-Strength Concrete Innovation, C. H. Nam, J. G. Gasiorowski and C. B. Tatum, CO June 91, p294-309.

Project-Controls Systems Opportunities, James E. Rowings, Jr., CO Dec. 91, p691-697.

Technology assessment

Technology-Transfer (T^2) Model for Expert Systems, Jesus M. De La Garza and Panagiotis Mitropoulos, CO Dec. 91, p736-755.

Technology transfer

Technology-Transfer (T^2) Model for Expert Systems, Jesus M. De La Garza and Panagiotis Mitropoulos, CO Dec. 91, p736-755.

Three-dimensional models

Constructability for Piping Automation: Field Operations, Deborah J. Fisher and James T. O'Connor, CO Sept. 91, p468-485.

Integration of Engineering, Design, and Construction, Kenneth F. Reinschmidt, F. H. (Bud) Griffis and Patrick L. Bronner, CO Dec. 91, p756-772.

Time factors

Time-Cost Trade-off Among Related Activities, Rehab Reda and Robert I. Carr, CO Sept. 89, p475-486.

Transportation

Transportation of Shippingport Reactor Pressure Vessel, David Duerr, CO Sept. 91, p551-564.

Transportation planning

Transportation of Shippingport Reactor Pressure Vessel, David Duerr, CO Sept. 91, p551-564.

Tunneling

Modeling Uncertainty in Operations with Non-stationary Cycle Times, Ali Touran, CO Dec. 91, p728-735.

Trenchless Excavation Construction Methods: Classification and Evaluation, Committee on Construction Equipment and Techniques, (Lloyd S. Jones, chmn.), CO Sept. 91, p521-536.

Uncertainty analysis

Modeling Uncertainty in Operations with Non-stationary Cycle Times, Ali Touran, CO Dec. 91, p728-735.

U.S. Army Corps of Engineers

Ft. Drum Estimating and Bidding from Contractor's Point of View, Martin N. Kelley, CO Sept. 91, p565-571.

U.S. Army Corps of Engineers and Afghanistan's Highways 1960–1967, Frank N. Schubert, CO Sept. 91, p445-459.

Value engineering

Constructability and Constructability Programs: White Paper, The Construction Management Committee of the ASCE Construction Division, CO Mar. 91, p67-89.

Value Engineering in Egyptian Bridge Construction, Ismail M. Basha and Ahmed A. Gab-Allah, CO Sept. 91, p393-401.

Work sampling

Labor Productivity and Work Sampling: The Bottom Line, H. Randolph Thomas, CO Sept. 91, p423-444.

Working conditions

Span of Control of Construction Foreman: Situational Analysis, Alexander Laufer and Igal M. Shohet, CO Mar. 91, p90-105.

AUTHOR INDEX

AbouRizk, Simaan M.
Visual Interactive Fitting of Beta Distributions, with Daniel W. Halpin and James R. Wilson, CO Dec. 91, p589-605

Abudayyeh, Osama Y.
Design of Construction Industry Information Management Systems, with William J. Rasdorf, CO Dec. 91, p698-715
see Rasdorf, William J., CO Sept. 91, p486-502

Antal, Theresa
see Hinze, Jimmie, CO Mar. 91, p106-117

Appelgate, Lisa Lytle
see Hinze, Jimmie, CO Sept. 91, p537-550

Arditi, David
Factors Affecting U.S. Contractors' Performance Overseas, with Arturo E. Gutierrez, CO Mar. 91, p27-46
Impact Analysis of Owner-Directed Acceleration, with Bhupendra K. Patel, CO Mar. 89, p144-157
disc: Thomas J. Meany, CO Dec. 91, p792-793
disc: Stephen G. Walker, CO Dec. 91, p793-794
clo: CO Dec. 91, p794-795

Ashley, David B.
see Jaselskis, Edward J., CO June 91, p321-340

Basha, Ismail M.
Value Engineering in Egyptian Bridge Construction, with Ahmed A. Gab-Allah, CO Sept. 91, p393-401

Beliveau, Yvan J.
DBE Programs—New Model, with Daniel A. Snyder and Michael C. Vorster, CO Mar. 91, p176-192
see Morad, Ayman A., CO Mar. 91, p1-12

Bell, Malcolm J.
disc. (of Integration of Simulation with Expert Systems, by Ali Touran, CO Sept. 90, p480-493), CO Dec. 91, p797-798

Bernold, Leonhard E.
Vendor Analysis for Best Buy in Construction, with John F. Treseler, CO Dec. 91, p645-658
see Miller, Mark L., CO June 91, p213-225

Bronner, Patrick L.
see Reinschmidt, Kenneth F., CO Dec. 91, p756-772

Bursti, James L., Jr.
Quality Management in Construction Industry, with Michael F. Matthews and Satyanarayana N. Kalidindi, CO June 91, p341-359

Carr, Robert I.
see Padilla, Eloy Morua, CO June 91, p279-293
see Reda, Rehab, CO Sept. 89, p475-486

Chapman, Chris B.
see Ward, Stephen C., CO June 91, p195-211

Cole, L. J. R.
Construction Scheduling: Principles, Practices, and Six Case Studies, CO Dec. 91, p579-588

Committee on Construction Equipment and Techniques, (Lloyd S. Jones, chmn.)
Trenchless Excavation Construction Methods: Classification and Evaluation, CO Sept. 91, p521-536

The Construction Management Committee of the ASCE Construction Division
Constructability and Constructability Programs: White Paper, CO Mar. 91, p67-89

Curtis, Bernard
see Ward, Stephen C., CO June 91, p195-211

De La Garza, Jesus M.
Technology-Transfer (T^2) Model for Expert Systems, with Panagiotis Mitropoulos, CO Dec. 91, p736-755
Total Float Traded as Commodity, with Michael C. Vorster and Cordell M. Parvin, CO Dec. 91, p716-727

de Neufville, Richard
Risk and Need-for-Work Premiums in Contractor Bidding, with Daniel King, CO Dec. 91, p659-673

Duerr, David
Transportation of Shippingport Reactor Pressure Vessel, CO Sept. 91, p551-564

Echeverry, Diego
Sequencing Knowledge for Construction Scheduling, with C. William Ibbs and Simon Kim, CO Mar. 91, p118-130

Eldin, Neil N.
Management of Engineering/Design Phase, CO Mar. 91, p163-175

Evans, Gerald W.
see Seibert, James E., CO Sept. 91, p503-520

Fazio, Paul
see Moselhi, Osama, CO Dec. 91, p606-625

Fisher, Deborah J.
Constructability for Piping Automation: Field Operations, with James T. O'Connor, CO Sept. 91, p468-485

Fondahl, John W.
The Development of the Construction Engineer: Past Progress and Future Problems, CO Sept. 91, p380-392

Gab-Allah, Ahmed A.
see Basha, Ismail M., CO Sept. 91, p393-401

Gasiorowski, J. G.
see Nam, C. H., CO June 91, p294-309

Glavan, John R.
Forecasting Design-Related Problems—Case Study, with Richard L. Tucker, CO Mar. 91, p47-65

Griffis, F. H. (Bud)
see Reinschmidt, Kenneth F., CO Dec. 91, p756-772

Gutierrez, Arturo E.
see Arditi, David, CO Mar. 91, p27-46

Halpin, Daniel W.
see AbouRizk, Simaan M., CO Dec. 91, p589-605

Hanscom, Glendon B.
disc. (of Time-Cost Trade-off Among Related Activities, by Rehab Reda and Robert I. Carr, CO Sept. 89, p475-486) with Lloyd Waugh, CO June 91, p374-375

Hegazy, Tarek
see Moselhi, Osama, CO Dec. 91, p606-625

Hills, Jeffery W.
see Riggs, Leland S., CO Dec. 91, p773-790

Hinze, Jimmie
Construction Contract Provisions for Preservation of Artifacts, with Theresa Antal, CO Mar. 91, p106-117
Costs of Construction Injuries, with Lisa Lytle Appelgate, CO Sept. 91, p537-550

Hsu, Deh-Shiu
see Yeh, Yi-Cherng, CO Mar. 91, p13-26

Hugo, F.
see O'Connor, J. T., CO June 91, p242-258

Ibbs, C. William
see Echeverry, Diego, CO Mar. 91, p118-130

Jaselskis, Edward J.
Optimal Allocation of Project Management Resources for Achieving Success, with David B. Ashley, CO June 91, p321-340

Kakoto, Takao
Engineering Decision Support of Automated Shield Tunneling, with Miroslaw Skibniewski, CO Dec. 91, p674-690

Kalidindi, Satyanarayana N.
see Burati, James L., Jr., CO June 91, p341-359

Kaspar, Steven L.
see Rowings, James E., CO June 91, p259-278

Kelley, Martin N.
Ft. Drum Estimating and Bidding from Contractor's Point of View, CO Sept. 91, p565-571

Kim, Simon
see Echeverry, Diego, CO Mar. 91, p118-130

King, Daniel
see de Neufville, Richard, CO Dec. 91, p659-673

Kuo, Yau-Hwang
see Yeh, Yi-Cherng, CO Mar. 91, p13-26

Laufer, Alexander
Span of Control of Construction Foreman: Situational Analysis, with Igal M. Shohet, CO Mar. 91, p90-105

Matthews, Michael F.
see Burati, James L., Jr., CO June 91, p341-359

Meany, Thomas J.
disc. (of Impact Analysis of Owner-Directed Acceleration, by David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157), CO Dec. 91, p792-793

Miller, Mark L.
Sensor-Integrated Nailing for Building Construction, with Leonhard E. Bernold, CO June 91, p213-225

Mitropoulos, Panagiotis
see De La Garza, Jesus M., CO Dec. 91, p736-755

Morad, Ayman A.
Knowledge-Based Planning System, with Yvan J. Beliveau, CO Mar. 91, p1-12

Moselhi, Osama
Neural Networks as Tools in Construction, with Tarek Hegazy and Paul Fazio, CO Dec. 91, p606-625

Nam, C. H.
Microlevel Study of Integration in High-Strength Concrete Innovation, with J. G. Gasiorowski and C. B. Tatum, CO June 91, p294-309

Navon, R.
see Warszawski, A., CO Sept. 91, p402-422

Neathammer, Robert
see Neely, Edgar Samuel, Jr., CO June 91, p310-320

Neely, Edgar Samuel, Jr.
Life-Cycle Maintenance Costs by Facility Use, with Robert Neathammer, CO June 91, p310-320

Nicholls, Robert
Sandwich-Barrell Shell Construction by Inflation, CO Mar. 91, p131-147

O'Connor, J. T.
Improving Highway Specifications for Constructibility, with F. Hugo and E. M. Stamm, CO June 91, p242-258

O'Connor, James T.
see Fisher, Deborah J., CO Sept. 91, p468-485

Oglesby, Clarkson H.
Dilemmas Facing Construction Education and Research in 1990s, CO Mar. 90, p4-17
disc: John M. Sheehan, CO Dec. 91, p795-796
clo: CO Dec. 91, p796-797

Padilla, Eloy Morua
Resource Strategies for Dynamic Project Management, with Robert I. Carr, CO June 91, p279-293

Parvin, Cordell M.
see De La Garza, Jesus M., CO Dec. 91, p716-727

Patel, Bhupendra K.
see Arditi, David, CO Mar. 89, p144-157

Paulson, Boyd C.
see Sanvido, Victor E., CO June 91, p226-241

Rasdorf, William J.
Cost- and Schedule-Control Integration: Issues and Needs, with Osama Y. Abudayyeh, CO Sept. 91, p486-502
see Abudayyeh, Osama Y., CO Dec. 91, p698-715

Reda, Rehab
Time-Cost Trade-off Among Related Activities, with Robert I. Carr, CO Sept. 89, p475-486
disc: Glendon B. Hanscom and Lloyd Waugh, CO June 91, p374-375
clo: CO June 91, p375-376

Reinschmidt, Kenneth F.
Integration of Engineering, Design, and Construction, with F. H. (Bud) Griffis and Patrick L. Bronner, CO Dec. 91, p756-772

Riggs, Leland S.
Implications for U.S. Construction Companies in 1992 European Community, with Jeffery W. Hills, CO Dec. 91, p773-790

Roth, R. D.
see Smith, G. R., CO June 91, p360-371

Rowings, James E.
Constructability of Cable-Stayed Bridges, with Steven L. Kaspar, CO June 91, p259-278

Rowings, James E., Jr.
Project-Controls Systems Opportunities, CO Dec. 91, p691-697

Sanders, Steve R.
Factors Affecting Masonry-Labor Productivity, with H. Randolph Thomas, CO Dec. 91, p626-644

Sanvido, Victor E.
Site Analysis Using Controller-Function Charts, with Boyd C. Paulson, CO June 91, p226-241

Schubert, Frank N.
U.S. Army Corps of Engineers and Afghanistan's Highways 1960–1967, CO Sept. 91, p445-459

Seibert, James E.
Time-Constrained Resource Leveling, with Gerald W. Evans, CO Sept. 91, p503-520

Shanmuganayagam, Venayagampillai
Current Float Techniques for Resources Scheduling, CO Sept. 89, p401-411
disc: Ali Touran, CO Sept. 91, p574-575
clo: CO Sept. 91, p575

Sheehan, John M.
disc. (of Dilemmas Facing Construction Education and Research in 1990s, by Clarkson H. Oglesby, CO Mar. 90, p4-17), CO Dec. 91, p795-796

Shohet, Igal M.
see Laufer, Alexander, CO Mar. 91, p90-105

Skibniewski, Miroslaw
see Kakoto, Takao, CO Dec. 91, p674-690

Smith, G. R.
Safety Programs and The Construction Manager, with R. D. Roth, CO June 91, p360-371

Smith, Gary R.
see Thomas, H. Randolph, CO Mar. 91, p148-162

Snyder, Daniel A.
see Beliveau, Yvan J., CO Mar. 91, p176-192

Stamm, E. M.
see O'Connor, J. T., CO June 91, p242-258

Tatum, C. B.
see Nam, C. H., CO June 91, p294-309

Thomas, H. Randolph
Labor Productivity and Work Sampling: The Bottom Line, CO Sept. 91, p423-444
Legal Aspects of Oral Change Orders, with Gary R. Smith and Dennis E. Wright, CO Mar. 91, p148-162
see Sanders, Steve R., CO Dec. 91, p626-644

Touran, Ali
Integration of Simulation with Expert Systems, CO Sept. 90, p480-493
disc: Malcolm J. Bell, CO Dec. 91, p797-798
clo: CO Dec. 91, p798
Modeling Uncertainty in Operations with Nonstationary Cycle Times, CO Dec. 91, p728-735
disc. (of Current Float Techniques for Resources Scheduling, by Venayagampillai Shanmuganayagam, CO Sept. 89, p401-411), CO Sept. 91, p574-575

Treseler, John F.
see Bernold, Leonhard E., CO Dec. 91, p645-658

Tucker, Richard L.
see Glavan, John R., CO Mar. 91, p47-65

Vorster, Michael C.
see Beliveau, Yvan J., CO Mar. 91, p176-192
see De La Garza, Jesus M., CO Dec. 91, p716-727

Walker, Stephen G.
disc. (of Impact Analysis of Owner-Directed Acceleration, by David Arditi and Bhupendra K. Patel, CO Mar. 89, p144-157), CO Dec. 91, p793-794

Ward, Stephen C.
Advantages of Management Contracting—Critical Analysis, with Bernard Curtis and Chris B. Chapman, CO June 91, p195-211

Warszawski, A.
Robot for Interior-Finishing Works, with R. Navon, CO Sept. 91, p402-422

Waugh, Lloyd
see Hanscom, Glendon B., (disc), CO Sept. 89, p475-486

Williams, Trefor P.
Hypertext Data Base Applications in Construction, CO Sept. 91, p460-467

Wilson, James R.
see AbouRizk, Simaan M., CO Dec. 91, p589-605

Wright, Dennis E.
see Thomas, H. Randolph, CO Mar. 91, p148-162

Yeh, Yi-Cherng
Expert System for Diagnosing Damage of Prestressed Concrete Pile, with Deh-Shiu Hsu and Yau-Hwaug Kuo, CO Mar. 91, p13-26